INDEPENDENT I	PRACTICE WITH HERA- Student Sheet
program. ○ You will open each	xplore the images from ROSAT using the HERA of the "Fits" files and see if you can manipulate them ncover new information about the Supernova
Manipulate the imageRecord the manipulate	of Rosat .25 KeV i.25KeV using Pow Plot age to look for new detail ulations and results in the chart as you work ons after completing the manipulations of the image.
Manipulation Made (duplication, color change, scale change, etc.)	Results & Observations of Image
	not you feel manipulation of the image was helpful or looking for new information in the Supernova
	specific with examples from your observation notes.
	·

Name:______ Period:_____

Name:	Date:Period:
2.	Elaborate on which of the image manipulations was most helpful and what resulted from that manipulation of the SNR image.
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3.	Explain if there anything visible in the image after manipulation that was not visible to you before manipulation. If so, what does it appear to be?
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Activity 2: Manipulation of Rosat .75 KeV

- o Open image Rosat.75KeV using Pow Plot
- o Manipulate the image to look for new detail
- o Record the manipulations and results in the chart as you work
- o Answer the questions after completing the manipulations of the image.

Manipulation Made (Duplication, color change, scale change, etc.)	Results & Observations of Image

Name	:	Date:	Period:
Activi	ty 2 Questions:		
1.	Describe whether or not you for not helpful to you in looking for Remnant (SNR). Be specific was a specific was	r new information i	n the Supernova
2.	Elaborate on which of the ima resulted from that manipulatio		
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3.	Explain if there anything visibl not visible to you before manip		
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Activity 3: Manipulation of Rosat 1.5 KeV

- o Open image Rosat 1.5KeV using Pow Plot
- o Manipulate the image to look for new detail
- o Record the manipulations and results in the chart as you work
- o Answer the questions after completing the manipulations of the image.

Name:		Date:_	P	eriod:
(duplication)	nipulation Made ation, color change, ale change, etc.)	hange,		ilmage
	not helpful to you in	not you feel manipula looking for new inform specific with example	ation in the Super	nova
2.		of the image manipula anipulation of the SNF		lpful and what
3.		hing visible in the image fore manipulation. If so		

Name:	Date:	Period:		
Activity 4: Manipulation of		Dist		
	 Open image Vela_Region_1.15MeV.fit using Pow Plot Manipulate the image to look for new detail 			
	ations and results in the char	t as vou work		
	ns after completing the manip			
	io artor completing the mamp	Jaiationio of the image.		
Manipulation Made	Results & Obser	vations of Image		
duplication, color change,		-		
scale change, etc.)				
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Activity 4 Questions:				
not helpful to you in lo	not you feel manipulation of tooking for new information in specific with examples from y	the Supernova		
	f the image manipulations wanipulations wan inpulation of the SNR image.			

Name:	e: Date	2:	Period:
3.	Evaluate the effectiveness of manipulating images. Was manipulating this image more new information in the SNR image?		
4.	Explain if there anything visible in the im not visible to you before manipulation. If		
	 vity 5: Comparison of Images Open all four images side by side They will open in the manner in w If you wish you could manipulate the same scale or color. Discuss why scientists would want to stue energy levels. Use information you have response. 	hich you last modi the images so that idy SNR images in	they are all in different
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Name:	Date: Period:
2.	Describe some possible reasons why scientists would miss seeing a feature in a SNR image.
3.	In conclusion, if you detected any new objects in the SNR image what do you predict that they might be? Why do you think this?